Appendix A References

A-1. Required Publications

TM 5-818-1/AFM 88-3, Chapter 7

Procedures for Foundation Design of Buildings and Other Structures

TM 5-818-5/AFM 88-5, Chapter 6, NAVFAC P-418

Dewatering and Groundwater Control

TM 5-818-6

Grouting Methods and Equipment

TM 5-858-3

Designing Facilities to Resist Nuclear Weapons Effects: Structures

MIL-STD 621A

Test Methods for Pavement Subgrade, Subbase, and Base Course Material

ER 415-1-11

Biddability, Constructibility, Operability, and Embankment Review

ER 415-2-100

Staffing for Civil Works Projects

ER 715-1-13

Procurement of Diamond Drill Bits and Reaming Shells

ER 1105-2-100

Planning Guidance Notebook

ER 1110-1-5

Plant Pest Quarantined Areas and Foreign Soil Samples

ER 1110-1-261

Quality Assurance of Laboratory Testing Procedures

ER 1110-1-1807

Procedures for Drilling in Earth Embankments

ER 1110-1-8100

Laboratory Investigations and Testing

ER 1110-2-1150

Engineering and Design for Civil Works Projects

EM 1110-1-1804

1 Jan 01

ER 1110-2-1200

Plans and Specifications for Civil Works Projects

ER 1110-2-1806

Earthquake Design and Evaluation of Civil Works Projects

ER 1110-2-1925

Field Control Data for Earth and Rockfill Dams

ER 1110-3-110

Information Systems Design in Support of Military Construction

ER 1180-1-6

Construction Quality Management

EP 1110-1-10

Borehole Viewing Systems

EM 200-1-3

Requirements for the Preparation of Sampling and Analysis Plans

EM 1110-1-1000

Photogrammetric Mapping

EM 1110-1-1002

Survey Markers and Monumentation

EM 1110-1-1003

NAVSTAR Global Positioning System Surveying

EM 1110-1-1005

Topographic Surveying

EM 1110-1-1802

Geophysical Exploration for Engineering and Environmental Investigations

EM 1110-1-1904

Settlement Analysis

EM 1110-1-1906

Soil Sampling.

EM 1110-1-2908

Rock Foundations

EM 1110-1-3500

Chemical Grouting

EM 1110-1-4000

Monitor Well Design, Installation, and Documentation at Hazardous and/or Toxic Waste Sites

EM 1110-2-1003

Hydrographic Surveying

EM 1110-2-1202

Environmental Engineering for Deep-draft Navigation Projects

EM 1110-2-1204

Environmental Engineering for Coastal Protection

EM 1110-2-1205

Environmental Engineering and Local Flood Control Channels

EM 1110-2-1206

Environmental Engineering for Small Boat Basins

EM 1110-2-1418

Channel Stability Assessment for Flood Control Projects

EM 1110-2-1901

Seepage Analysis and Control for Dams

EM 1110-2-1902

Stability of Earth and Rockfill Dams

EM 1110-2-1906

Laboratory Soils Testing

EM 1110-2-1908

Instrumentation of Embankment Dams and Levees

EM 1110-2-1911

Construction Control for Earth and Rockfill Dams

EM 1110-2-1913

Design and Construction of Levees

EM 1110-2-2300

Earth and Rockfill Dams, General Design and Construction Considerations

EM 1110-2-2301

Test Quarries and Test Fills

EM 1110-2-2901

Tunnels and Shafts in Rock

EM 1110-2-2904

Design of Breakwaters and Jetties

EM 1110-2-2906

Design of Pile Foundations

EM 1110-2-3506

Grouting Technology

EM 1110-2-3800

Systematic Drilling and Blasting for Surface Excavations

EM 1110-2-4000

Sedimentation Investigations of Rivers and Reservoirs

American Society for Testing and Materials 1970

American Society for Testing and Materials. 1970. "Special Procedures for Testing Soil and Rock for Engineering Purposes," STP 479, 5th ed., Philadelphia, PA.

American Society for Testing and Materials 1996a

American Society for Testing and Materials. 1996a. "Bearing Capacity of Soil for Static Load on Spread Footings, Designation D-1194-94," West Conshohocken, PA.

American Society for Testing and Materials 1996b

American Society for Testing and Materials. 1996b. "Method for Penetration Test and Split-Barrel Sampling of Soils, Designation D 1586-84," West Conshohocken, PA.

American Society for Testing and Materials 1996c

American Society for Testing and Materials. 1996c. "Standard Practice for Thin-Walled Tube Geotechnical Sampling of Soils, Designation: D 1587-94," West Conshohocken, PA.

American Society for Testing and Materials 1996d

American Society for Testing and Materials. 1996d. "Description and Identification of Soils (Visual-Manual Procedure), Designation D 2488-93," West Conshohocken, PA.

American Society for Testing and Materials 1996e

American Society for Testing and Materials. 1996e. "Test Method for Field Vane Shear Test in Cohesive Soil, Designation D 2573-94," West Conshohocken, PA.

American Society for Testing and Materials 1996f

American Society for Testing and Materials. 1996f. "Test Method for Triaxial Compressive Strength of Undrained Rock Core Specimens Without Pore Pressure Measurements, Designation D 2664-86," West Conshohocken, PA.

American Society for Testing and Materials 1996g

American Society for Testing and Materials. 1996g. "Test Method for Elastic Moduli of Intact Rock Core Specimens in Uniaxial Compression, Designation D 3148-93," West Conshohocken, PA.

American Society for Testing and Materials 1996h

American Society for Testing and Materials. 1996h. "Standard Test Method for One-dimensional Expansion, Shrinkage, and Uplift Pressure of Soil-Lime Mixtures, Designation D 3877-80," West Conshohocken, PA.

American Society for Testing and Materials 1996i

American Society for Testing and Materials. 1996i. "Test Method for Creep of Cylindrical Soft Rock Core Specimens in Uniaxial Compression, Designation D 4405-93," West Conshohocken, PA.

American Society for Testing and Materials 1996j

American Society for Testing and Materials. 1996j. "Standard Test Method for In Situ Stress and Modulus of Deformation Using the Flatjack Method, Designation D 4729-87," West Conshohocken, PA.

Borrelli 1988

Borrelli, D. D. 1988. "Interim Guidance for Construction Site Clearance at U.S. Army Installations," U.S. Army Toxic and Hazardous Materials Agency, Aberdeen Proving Ground, Maryland.

U.S. Army Engineer Waterways Experiment Station 1993

U.S. Army Engineer Waterways Experiment Station. 1993. *Rock Testing Handbook*. Technical Information Center, Vicksburg, MS 39180.

Walker 1988

Walker, L. D. 1988. Memorandum: "Environmental Survey Guidance for Potential Construction Sites," U.S. Army Engineering and Construction Division, Washington, DC.

A-2. Related Publications

Al-Khafaji and Andersland 1992

Al-Khafaji, A. W., and Andersland, O. B. 1992. *Geotechnical Engineering and Soil Testing*, Saunders College Publishing, Harcourt Brace Jovanovich College Publishers, Fort Worth, TX.

Aller et al. 1989

Aller, L., Bennett, T., Hackett, G., Petty, R., Lehr, J., Sedoris, H., Nielsen, D, and Denne, J. 1989. Handbook of Suggested Practices for the Design and Installation of Ground-Water Monitoring Wells, prepared for the Environmental Monitoring Systems Laboratory Office of Research and Development, U.S. Environmental Protection Agency, Las Vegas, NV. Published by National Water Well Association, Dublin, OH.

Annan 1992

Annan, A. P. 1992. Ground Penetrating Radar Workshop Notes. Sensing & Software Inc., Mississauga Ontario, Canada.

Applied Technology Council 1978

Applied Technology Council. 1978. "Tentative provision for the development of seismic regulations for buildings," Figure 1-1, Publication ATC3-06, National Bureau of Standards 510, National Science Foundation 78-8, Washington, DC.

Baguelin, Jezequel, and Shields 1978

Baguelin, F., Jezequel, J. F., and Shields, D. H. 1978. "The Pressuremeter and Foundation Engineering," Trans Tech Publications, Rockport, MA.

Barton, Lien, and Lunde 1974

Barton, N., Lien, R., and Lunde, J. 1974. "Engineering Classification of Rock Masses for the Design of Tunnel Support," *Rock Mechanics*, Vol 6, No. 4, pp 183-236.

Bechtell 1975

Bechtell, W. R. 1975. "Project R. D. Bailey Experimental Excavation Program," U.S. Army Engineer Waterways Experiment Station, Technical Report E-73-2, Vicksburg, MS.

Bennett and Anderson 1982

Bennett, R. D., and Anderson, R. F. 1982. "New Pressure Test for Determining Coefficient of Permeability of Rock Masses," Technical Report GL-82-3, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Bentall 1963

Bentall, R. 1963. "Shortcuts and Special Problems in Aquifer Tests," Geological Survey Water-Supply Paper 1545-C, a collection of reports, U.S. Geological Survey, U.S. Government Printing Office, Washington, DC.

Bertram 1979

Bertram, G. E. 1979. "Field Tests for Compacted Rockfill," *Embankment Dam Engineering*, R. C. Hirschfield and S. J. Poulos, Editors, Wiley-Interscience, Somerset, NJ.

Bieniawski 1979

Bieniawski, Z. T. 1979. "Tunnel Design by Rock Mass Classification," Technical Report GL-79-19, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Blight 1974

Blight, G. E. 1974. "Indirect Determination of In Situ Stress Ratios in Particulate Materials," Proceedings of a Speciality Conference, *Subsurface Exploration for Underground Excavation and Heavy Construction*, American Society of Civil Engineers, New York, NY.

Bjerrum 1972

Bjerrum, L. 1972. "Embankments on Soft Ground," Proceedings of Speciality Conference, *Performance of Earth and Earth-Supported Structures*, Vol II, pp 1-54, American Society of Civil Engineers, New York, NY.

Boadu and Long 1994

Boadu, F. K., and Long, L. T. 1994. "The Fractal Character of Fracture Spacing and RQD," International Journal of Rock Mechanics, Mining Science, and Geomechanics, Vol 31, No. 2, pp 127-134.

Bowles 1996

Bowles, J. E. 1996. Foundation Analysis and Design, 5th ed., McGraw-Hill, New York, NY.

Burrough 1986

Burrough, P. A. 1986. "Principles of Geographic Information Systems for Land Resource Assessment," Monographs on Soils and Resources Survey No. 12, Oxford University Press, New York, NY.

Butler 1980

Butler, D. K. 1980. "Microgravimetric Techniques for Geotechnical Applications," Miscellaneous Paper GL-80-13, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Cernica 1993

Cernica, J. N. 1993. Geotechnical Engineering: Soil Mechanics, John Wiley & Sons, New York, NY.

Cottin et al. 1986

Cottin, J. F., Deletie, P., Jacquet-Francillon, H., Lakshmanan, J., Lemoine, Y., and Sanchez, M. 1986. "Curved ray seismic tomography: Application to Grand Etang Dam (Reunion Island)," *First Break* vol 4 pp 25-30.

Das 1994

Das, B. M. 1994. Principles of Geotechnical Engineering, 3rd ed., PWS Publishing, Boston, MA.

Davis and DeWiest 1966

Davis, S. N., and DeWiest, R. J. M. 1966. *Hydrogeology*, John Wiley & Sons, New York, NY.

Dawson and Istok 1991

Dawson, K. J., and Istok, J. D. 1991. *Aquifer Testing, Design and Analysis of Pumping and Slug Tests*, Lewis Publishers, Inc., Chelsea, MI.

Dearman 1991

Dearman, W. R. 1991. Engineering Geological Mapping, Butterworth-Heinemann, Boston, MA.

Deere 1964

Deere, D. U. 1964. "Technical Description of Rock Cores for Engineering Purposes," *Rock Mechanics and Engineering Geology*, Vol 1, No. 1, pp 17-22.

Deere and Deere 1989

Deere, D. U., and Deere, D. W. 1989. "Rock Quality Designation (RQD) After Twenty Years." Contract Report GL-89-1, U. S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Deklotz and Boisen 1970

Deklotz, E. J. and Boisen, B. P. 1970. "Development of Equipment for Determining Deformation Modulus and In Situ Stress by Means of Large Flatjacks," *Determination of In Situ Modulus of Deformation of Rock*, ASTM STP 477, American Society for Testing and Materials, Philadelphia, PA.

Dodd, Fuller, and Clarke 1989

Dodd, K, Fuller, H. K., and Clarke, P. F. 1989. "Guide to Obtaining USGS Information," USGS Circular 900, U.S. Government Printing Office, Washington, DC.

Douglas and Olsen 1981

Douglas, B. J., and Olsen, R. S. 1981. "Soil Classification Using the Electric Cone Penetrometer." *Proceedings of the Cone Penetration Testing and Experience Session, ASCE National Convention,* St. Louis, Oct 1981, American Society of Civil Engineers, New York, NY.

Driscoll 1986

Driscoll, F. G. 1986. Groundwater and Wells, 2nd ed., Johnson Division, St.Paul, MN.

Durgunoglu and Mitchell 1975

Durgunoglu, H. T., and Mitchell, J. K. 1975. Static Penetration Resistance of Soils, Evaluation of Theory and Implication for Practice." *Proceedings of the In-situ Measurement of Soil Properties*, Raleigh, NC, American Society of Civil Engineers, New York, NY.

Edris 1993

Edris, E. V. 1993. User's Guide: UTEXAS3 Slope-Stability Package Volume III: Example Problems," Instruction Report GL-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Eissa and Sen 1991

Eissa, E. A. and Sen, Z. 1991. "Fracture Simulation and Multi-Directional Rock Quality Designation." *Bulletin of The Association of Engineering Geologists*, Vol 28, No. 2.

Environmental Systems Research Institute 1992

Environmental Systems Research Institute. 1992. *Understanding GIS: The ARC/INFO® Method*. ESRI, Redlands, CA.

Fagerburg, Price, and Howington, 1989

Fagerburg, T. L., Price, R. E., and Howington, S. E. 1989. "Water Quality Outlet Works Prototype Tests, Warm Springs Dam, Dry Creek, Russian River Basin, Sonoma County, California," Technical Report HL-89-4, U.S. Army Engineers Waterways Experiment Station, Vicksburg, MS.

Federal Highway Administration 1978

Federal Highway Administration. 1978. "Design and Construction of Compacted Shale Embankments, Vol 5, Technical Guidelines," Report No. FHWA-RD-78-141, National Technical Information Service, Springfield, VA.

Fetter 1988

Fetter, C. W. 1988. Applied Hydrogeology, Second Edition. Macmillan Publishing, New York, NY.

Fisher and Banks 1979

Fisher, P. R., and Banks, D. C. 1979. "Influence of the Regional Geologic Setting on Site Geologic Features." *Site Characterization and Exploration, Proceedings, Speciality Workshop, Northwestern University*, C. H. Dowding, ed., American Society of Civil Engineers, New York, NY.

Franklin et al. 1981

Franklin, A. G., Patrick, D. M., Butler, D. K., Strohm, W. E., Jr., and Hynes-Griffin, M. E. 1981. "Foundation Considerations in Siting of Nuclear Facilities in Karst Terrains and Other Areas Susceptible to Ground Collapse," NUREG/CR-2062, U.S. Nuclear Regulatory Commission, Washington, DC.

Geological Society Engineering Group Working Party 1995

Geological Society Engineering Group Working Party. 1995. "The description and classification of weathered rocks for engineering purposes," *Quarterly Journal of Engineering Geology*, Vol 26 No. 3, pp 207-242.

Gillot 1987

Gillott, J. E. 1987. Clay in Engineering Geology. Elsevier, New York, NY.

Goodman 1976

Goodman, R. E. 1976. *Methods of Geological Engineering in Discontinuous Rock*. West Publishing Company, Saint Paul, MN.

Goodman 1981

Goodman, R. E. 1981. Introduction to Rock Mechanics. John Wiley & Sons, Sommerset, NY.

Goodman and Shi 1985

Goodman, R. E., and Shi, G. 1985. *Block theory and its application to rock engineering*. Prentice-Hall, Englewood Cliffs, NJ.

Gupta 1991

Gupta, R. P. M. 1991. Remote Sensing Geology. Springer-Verlag, New York, NY.

Hall, Newmark, and Hendron 1974

Hall, W. C., Newmark, N. M., and Hendron, A. J., Jr. 1974. "Classifying Engineering Properties and Field Exploration of Soils, Intact Rock and In Situ Rock Masses," Report No. WASH-1301, CU-II, U.S. Atomic Energy Commission, Washington, DC.

Hamison 1978

Hamison, B. C. 1978. "The Hydrofracturing Stress Measuring Method and Recent Field Results," *International Journal of Rock Mechanics and Mining Sciences*, Vol 15, No. 4, Pergamon Press, Elmsford, NY.

Hammer and Torrey 1973

Hammer, D. P., and Torrey, V. H. III. 1973. "Test Fills for Rockfill Dams," Miscellaneous Paper S-73-7, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Harder and Seed 1986

Harder, L. F., Jr., and Seed, H. B. 1986. "Determination of Penetration Resistance for Coarse-Grained Soils Using the Becker Hammer Drill," Report No. UCB/EERC-86/06, Earthquake Engineering Research Center, College of Engineering, University of California, Berkeley.

Heath 1983

Heath, R. C. 1983. "Basic Ground-water Hydrology," U.S. Geological Survey Water-Supply Paper 2220, U.S. Government Printing Office, Washington, DC.

Hite 1984

Hite, S. E. 1984. "R.D. Bailey Outlet Works, Guyandot River, West Virginia: Hydraulic Model Investigation," Technical Report HL-84-1, U.S. Army Engineers Waterways Experiment Station, Vicksburg, MS.

Hobbs, Means, and Williams 1986

Hobbs, B.E., Means, W.D., and Williams, P.F. 1976. *An Outline of Structural Geology*. John Wiley & Sons, New York, NY.

Hunt 1984

Hunt, R.E. 1984. Geotechnical Engineering Investigation Manual. McGraw-Hill, New York, NY.

Intergraph Corp. 1993

Intergraph Corp. 1993. GIS Oriented Analysis Language (GOAL) User's Guide. Huntsville, AL.

International Forum on Discontinuous Deformation Analysis and Simulations of Discontinuous Media 1996

International Forum on Discontinuous Deformation Analysis and Simulations of Discontinuous Media. 1996. "Discontinuous deformation analysis (DDA) and simulations of discontinuous media." *Proceedings of the First International Forum on Discontinuous Media, Berkeley, CA, USA, June 12-14, 1996.* Edited by M. Reza Salami and Don Banks.

Jamiolkowski et al. 1982

Jamiolkowski, M., Lancellotta, R., Tordella, L., and Battaglio, M. 1982. "Undrained Strength from CPT." *Proceedings of the Second European Symposium on Penetration Testing (ESOPT II)*, Amsterdam.

Johnson, Sherman, and Al-Hussaini 1979

Johnson, L. D., Sherman, W. C., Jr., and Al-Hussaini, M. M. 1979. "Overview for Design of Foundations on Expansive Soils," Miscellaneous Paper GL-79-21, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Keller 1992

Keller, E. A. 1992. Environmental Geology. 6th ed., Macmillan, New York, NY.

Kilgore, Krolak, and Mistichelli 1993

Kilgore, R. T., Krolak, J. S., and Mistichelli, M. P. 1993. "Integration Opportunities for Computer Models, Methods, and GIS Used in Corps Planning Studies," IWR Report 93-R-5. U.S. Army Corps of Engineers Water Resources Support Center, Ft. Belvoir, VA.

Krinitzsky 1995

Krinitzsky, E. L. 1995. "State-of-the art for Assessing Earthquake Hazards in the United States, Report 29, Selection of Earthquake Ground Motions for Engineering," Miscellaneous Paper S-73-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Krinitzsky 1996

Krinitzsky, E. L. 1996. Personal communication. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Krinitzsky, Gould, and Edinger 1993

Krinitzsky, E. L., Gould, J. P., and Edinger, P. H. 1993. Fundamentals of earthquake resistant construction. John Wiley & Sons, New York, NY.

Lambe and Whitman 1969

Lambe, T. W., and Whitman, R. V. 1969. *Soil Mechanics*, Massachusetts Institute of Technology, John Wiley & Sons, New York, NY.

Larkin et al. 1990

Larkin, T. H., Johnson, P. A., Rich, P. M., Eischeid, G., and Phillips, W. S. 1990. "Cross-borehole compressional wave imaging of unconsolidated sediments," IEEE Transactions on Geoscience and Remote Sensing, Vol 28, pp 922-931.

Leach 1977

Leach, R. E. 1977. "Hydraulic Fracturing of Soils--a Literature Review," Miscellaneous Paper S-77-6, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Lichy 1976

Lichy, D. E. 1976. "Remote Sensing Demonstration Project, Verona Lake Project, Virginia," U.S. Army Engineer District, Baltimore, MD.

Lohman 1972

Lohman, S. W. 1972. "Ground-Water Hydraulics," Geological Survey Professional Paper 708, U.S. Geological Survey, United States Government Printing Office, Washington, DC.

Lutton 1976

Lutton, R. J. 1976. "Review and Analysis of Blasting and Vibrations at Bankhead Lock," Technical Report S-76-6, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Marcuson and Bieganousky 1977

Marcuson, W. F. III, and Bieganousky, W. A. 1977. "SPT and Relative Density in Coarse Sands," *Journal of the Geotechnical Engineering Division*, Vol 103, No. GTll, pp 1295-1309, American Society of Civil Engineers, New York, NY.

Means and Parcher 1963

Means, R. E., and Parcher, J. V. 1963. *Physical Properties of Soils*. Oklahoma State University, Charles E. Merrill Publishing Co., Columbus, OH.

Meyerhof 1956

Meyerhof, G. G. 1956. "Penetration Tests and Bearing Capacity of Cohesive Soils," *Journal, Soil Mechanics and Foundations Division*, Vol 82, No. SMI, pp 1-19, Also see closure in Vol 83, No. SMI, 1957, American Society of Civil Engineers, New York, NY.

Mitchell and Lunne 1978

Mitchell, J. K., and Lunne, T. A. 1978. "Cone Resistance as a Measure of Sand Strength." *Journal, Geotechnical Engineering Division*, Vol 104, No. GT7, pp 995-1012, American Society of Civil Engineers, New York, NY.

Mitchell and Villet 1981

Mitchell, J. K., and Villet, W. C. B. 1981. "Cone Resistance, Relative Density and Friction Angle." *Proceedings of the Cone Penetration Testing and Experience Session, ASCE National Convention, St. Louis, Oct 1981*, American Society of Civil Engineers, New York, NY.

Mitchell, Guzikowski, and Villet 1978

Mitchell, J. K., Guzikowski, F., and Villet, W. C. B. 1978. "The Measurement of Soil Properties In-Situ," Report No. LBL-6363, Lawrence Berkeley Laboratory, University of California, Berkeley.

Morgenstern and Eigenbrod 1974

Morgenstern, N. R., and Eigenbrod, K. D. 1974. "Classification of Argillaceous Soils and Rock," *Journal, Geotechnical Engineering Division*, Vol 100, No. GT10, pp 1137-1155, American Society of Civil Engineers, New York, NY.

Murphy 1985

Murphy, W. L. 1985. "Geotechnical Descriptions of Rock and Rock Masses," Technical Report GL-85-3, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Nash 1993

Nash, K. 1993. "User's Guide for the Boring Log Data Manager, Version 2.0," Contract Report GL-93-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Nelson and Miller 1992

Nelson, J. D., and Miller, D. J. 1992. Expansive soils: Problems and practices in foundation and pavement engineering. John Wiley & Sons, New York, NY.

Nicholson 1983a

Nicholson, G. A. 1983a. "Design of Gravity Dams on Rock Foundations: Sliding Stability Assessment by Limit Equilibrium and Selection of Shear Strength Parameters," Technical Report GL-83-13, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Nicholson 1983b

Nicholson, G. A. 1983b. "In Situ and Laboratory Shear Devises for Rock: a Comparison," Technical Report GL-83-14, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Olivier 1979

Olivier, H. J. 1979. "A new engineering-geological rock durability classification," *Engineering Geology*, Vol 14, pp 255-279.

Parry 1976

Parry, R. H. G. 1976. "Engineering Properties of Clay Shales: Report 3, Preliminary Triaxial Test Program on Taylor Shale from Laneport Dam," Technical Report S-71-6 Rpt 3, U.S. Army Engineers Waterways Experiment Station, Vicksburg, MS.

Parry 1977

Parry, R. H. G. 1977. "Estimating Bearing Capacity in Sand from SPT Values," *Journal, Geotechnical Engineering Division*, Vol 103, No. GT9, pp 1014-1019, American Society of Civil Engineers, New York, NY.

Peck, Hanson, and Thornburn 1974

Peck, R. B., Hanson, W. E., and Thornburn, T. H. 1974. *Foundation Engineering*. 2d ed., Wiley-Interscience, Somerset, NJ.

Perry 1979

Perry, E. B. 1979. "Susceptibility of Dispersive Clays at Grenada Dam, Mississippi, to Piping and Rainfall Erosion," Technical Report GL-79-14, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Powers and Olhoeft 1995

Powers, M. H., and Olhoeft, G. R. 1995. GPRMODV2:One-Dimensional Full Waveform Forward Modeling of Dispersive Ground Penetrating Radar Data Version 2.0. USGS Open File Report 95-58, U.S. Government Printing Office, Washington, DC.

Priest 1993

Priest, S. D. 1993. Discontinuity analysis for rock engineering. Chapman and Hall, New York, NY.

Proctor and White 1977

Proctor, R. V., and White, T.L. 1977. *Rock Tunneling with Steel Supports*. Commercial Shearing Inc., Youngstown, OH.

Radbruch-Hall, Edwards, and Batson 1987

Radbruch-Hall, D.H., Edwards, K., and Batson, R.H. 1987. "Experimental engineering-geologic and environmental geologic maps of the conterminous United States," U.S. Geological Survey Bulletin 1610, U.S. Government Printing Office, Washington, DC.

Rasher and Weaver 1990

Rasher, M. E., and Weaver, W. 1990. *Basic Photo Interpretation*. Soil Conservation Service, National Cartographic Center, Fort Worth, TX.

Rinker et al. 1991

Rinker, J. N., Breed, C. S., McCauley, J. F., Corl, P. A. 1991. "Remote Sensing Field Guide - Desert," U.S. Army Corps Engineer Topographic Lab Manual ETL-0588, Fort Belvoir, VA.

Rocha 1970

Rocha, M. 1970. "New techniques in deformability testing of in situ rock masses," Determination of In Situ Modulus of Deformation of Rock, ASTM STP 477, American Society for Testing and Materials, Philadelphia, PA.

Schmertmann 1970

Schmertmann, J. H. 1970. "Static Cone to Compute Static Settlement Over Sand," *Journal, Soil Mechanics and Foundation Division*, Vol 96, No. SM3, American Society of Civil Engineers, New York, NY.

Schmertmann 1978a

Schmertmann, J. H. 1978a. "Guidelines for Cone Penetrometer Test, Performance and Design," FHWA-TS-78-209, Federal Highway Administration, Washington, DC.

Schmertmann 1978b

Schmertmann, J. H. 1978b. "Study of Feasibility Using Wissa-type Piezometer Probe to Identify Liquifaction Potential of Saturated Fine Sand," Technical Report S-78-2, U.S. Army Engineer Waterways Experiment Station Vicksburg, MS.

Schroeder 1984

Schroeder, W. L. 1984. Soils in Construction, third ed., John Wiley & Sons, New York, NY.

Seed 1979

Seed, H. B. 1979. "Soil Liquefaction and Cyclic Mobility Evaluation for Level Ground During Earthquakes," *Journal, Geotechnical Engineering Division*, Vol 105, No. GT2, American Society of Civil Engineers, New York, NY.

Sen and Eissa 1991

Sen, Z., and Eissa, E. A. 1991. "Volumetric Rock Quality Designation," *ASCE Journal of Geotechnical Engineering*, Vol 117, No. 9.

Smith 1987

Smith, D. G. 1987. "A mini-vibracoring system," *Journal of sedimentary Petrology*, Vol 57, No. 4, pp 757-794.

Society of Exploration Geophysicist 1990

Society of Exploration Geophysicists. 1990. "Resistivity and induced polarization methods," *Geotechnical and Environmental Geophysics Volume I Review and Tutorial*. S. H. Ward, ed., Tulsa, OK, pp 147-190.

Stagg and Zienkiewicz 1968

Stagg, K. G., and Zienkiewicz, D. C. 1968. *Rock Mechanics in Engineering Practice*. 2nd ed., Wiley-Interscience, Somerset, NJ.

Star and Estes 1990

Star, J., and Estes, J. 1990. *Geographic Information Systems: An Introduction*. Prentice Hall, Englewood Cliffs, NJ.

Steeples and Miller 1990

Steeples, D. W., and Miller, R. D. 1990. "Seismic reflection methods applied to engineering, environmental, and groundwater problems," Geotechnical and Environmental Geophysics Volume I Review and Tutorial. Ward, S.H., ed., Society of Exploration Geophysicists, Tulsa, OK, pp 1-30.

Stover and Coffman 1993

Stover, C. W., and Coffman 1993. "Seismicity of the United States," U.S. Geological Survey Professional Paper 1527, U.S. Government Printing Office, Washington, DC.

Terzaghi, Peck, and Mesri 1996

Terzaghi, K., Peck, R. B., and Mesri, G. 1996. *Soil Mechanics in Engineering Practice*. 3rd ed., John Wiley & Sons, New York, NY.

Todd 1980

Todd, D. K. 1980. Groundwater Hydrology. John Wiley & Sons, New York, NY.

Tomlinson 1994

Tomlinson, M. J. 1994. Pile Design and Construction Practice, 4th ed., E & F N Spon, London.

Townsend and Gilbert 1974

Townsend, F. C., and Gilbert, P. A. 1974. "Residual Shear Strength and Classification Indexes of Clay Shales," Technical Report S-71-6, Report 2, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Underwood 1967

Underwood, L.B. 1967. "Classification and Identification of Shales," *Journal, Soil Mechanics and Foundation Division*, Vol 93, No. SM6, pp 97-116, American Society of Civil Engineers, New York, NY

U.S. Army Engineer Waterways Experiment Station 1954

U.S. Army Engineer Waterways Experiment Station. 1954. "Filter Experiments and Design Criteria," Technical Memorandum 3-360, Vicksburg, MS.

U.S. Army Engineer Waterways Experiment Station 1982

U.S. Army Engineer Waterways Experiment Station. 1982. *The Unified Soil Classification System*, Technical Memorandum No. 3-357, April 1960, reprinted Aug 1982. Office, Chief of Engineers, Washington, D.C.

U.S. Department of Interior, Bureau of Reclamation 1977

U.S. Department of Interior, Bureau of Reclamation. 1977. Ground Water Manual, Denver, CO.

U.S. Geological Survey 1973

U.S. Geological Survey. 1973. "Bibliography of North American Geology, 1970," USGS Professional Paper 1370, U.S. Government Printing Office, Washington, DC.

Vanadit-Ellis et al. 1995

Vanadit-Ellis, W., Woo, K. G., Edris, E. V.,Jr., and Jobe, T. 1995. "Microcomputer Grouting Data Package (GDP): User's Guide, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS., unpublished report.

Varnes 1974

Varnes, D. J. 1974. "The Logic of Geologic Maps, with Reference to Their Interpretation and Use for Engineering Purposes," USGS Professional Paper 837, U.S. Government Printing Office, Washington, DC.

Walton 1970

Walton, W. C. 1970. Groundwater Resource Evaluation. McGraw-Hill, New York, NY.

Watts 1996

Watts, C. F. 1996. ROCKPACK II Rock Slope Stability Computerized Analysis Package, C. F. Watts and Associates, Radford, VA.

Woodward-Clyde Consultants 1996

Woodward-Clyde Consultants. 1996. "Instrumentation Database Package for Windows (WinIDP), User's Guide, Version 3.0," Produced for U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS., unpublished.

Zeigler 1972

Zeigler, T. W. 1972. "In Situ Tests for the Determination of Rock Mass Shear Strength," Technical Report S-72-12, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

Zeigler 1976

Zeigler, T. W. 1976. "Determination of Rock Mass Permeability," Technical Report S-76-2, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.